Before Using this **Hog Crusher®**,
Study and understand entire
Owner's Manual.

Serial Number_____

HCR
Hog Crusher™
Material Recycler

Owner's Manual

Hog Crusher™
EZ Grout Corporation
1-800-417-9272

EZ Grout Corporation
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Malta, Ohio 43758
(740) 749-3512 or 1-800-417-9272
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TABLE OF CONTENTS

Introduction	3
About This Manual	3
General Information	3
Safety Information	3
Safety Precautions	4-5
Operating Instructions	6
Daily Maintenance	7
Replacing Carbide Bullets	7
Changing Gear Hub Oil	8
Drum Replacement	8-10
Drum Replacement Diagram	10
Notes	11
Obtaining Spare Parts	12
Service Records	12
Warning Labels And Locations	13
Frame Assembly	14-15
Warranty	16
Warranty Registration	17

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Introduction

Congratulations on purchasing one of the finest pieces of masonry equipment on the market today! If this is your first EZ Grout product, you will not be disappointed. If you have previously owned an EZ Grout product you will find the same high quality and dependability that you have come to expect from EZ Grout.

About this Manual

The purpose of this manual is to inform the owner, employer, and the operator's of the unit, how to safely operate this piece of equipment, and make them aware of any hazards. It also contains important information regarding assembly, set up, operation, and maintenance. It is the Owner/Employer's responsibility to make sure that anyone who operates this machine understands all safety warnings. If you do not understand any items in this manual, please contact the dealer where this product was purchased, or the manufacturer at the number listed throughout the manual. If you have any suggestions about how to make this manual easier to understand, contact the manufacturer. Keep this manual available for reference wherever this piece of equipment is being used and make it available to any operators.

General Information

Illustrations in this manual may show details or components that may not be the same as your machine. Continuing improvements to the design of this machine may have caused changes that are not reflected in this manual. The information in this document is subject to change without notice.

Safety Information

The following safety symbols and signal words will be used throughout this manual and on the product, for your safety and the safety of others, please become familiar with their meaning and heed their warnings.

⚠	**This symbol, either used alone or with a signal word, is used to call your attention to instructions involving your safety and/or the safety of others. Failure to follow these instructions could result in personal injury or death.**
⚠ DANGER	**This signal word is used to identify a hazard which, if not avoided, will result in death or serious injury.**
⚠ WARNING	**This signal word is used to identify a hazard which, if not avoided, could result in death or serious injury**
⚠ CAUTION	**This signal word is used to identify a hazard which, if not avoided, could result in minor or moderate injury.**
NOTICE	**This signal word is used to identify a hazard which, if not avoided, could result in property or equipment damage. It also may be used for special instructions related to performance, maintenance or general items.**

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Safety Precautions

DANGER **Failure to obey the following safety instructions will result in DEATH or SERIOUS INJURY.**

Locking levers on skid steer must be properly down and locked to ensure Hog Crusher™ does not fall.

Keep hands clear while machine is operating.

Never enter the equipment safety zone (20 ft / 6 m) when the Hog Crusher™ is in use.

WARNING **Failure to obey the following safety instructions will result in DEATH or SERIOUS INJURY.**

Read and understand entire manual before operating the Hog Crusher™.

For your safety and the safety of others, replace any missing or damaged warning decals by contacting the manufacturer at 1-800-417-9272.

Make sure anyone operating the Hog Crusher™ is thoroughly familiar with its operation. Keep all unauthorized and untrained personnel, especially children, away from Hog Crusher™.

Never operate machine with safety guards or safety devices removed. Do not alter any safety-guards.

Stay clear of hopper while machine is running. Keep all body parts, clothing, jewelry and solid objects away from all moving parts.

Never perform any work on the Hog Crusher™ while it is running. Before working on or Cleaning the Hog Crusher™ shut off skid steer and disconnects hydraulic supply hoses.

Never operate the Hog Crusher™ under the influence of alcohol, drugs, or medications.

This Hog Crusher™ has been designed and built as a material recycling station, for the reduction of materials such as concrete block, brick, stone, asphalt and unreinforced concrete and should not be used for anything other than its intended purpose.

Consult forklift manufacturers specifications to insure load capacity is not exceeded.

Model	Empty Weight	Max Gross Weight
HCR	1500 lbs. (680.3 kg)	3500 lbs. (1587.6 kg)

Do not exceed Maximum Gross Weight

Never stand under an elevated Hog Crusher™.

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Safety Precautions

WARNINGS Continued

Never attempt to ride the Hog Crusher™.

Never leave the operators seat with the Hog Crusher™ running.

Operate only in properly ventilated non explosive environments.

Avoid breathing dust produced while using the Hog Crusher™. Dust may contain crystalline silica and may cause serious health problems.

Always know the location of nearest fire extinguishers, first aid kit, and emergency personnel phone numbers in case of emergency.

CAUTION **Failure to obey the following safety instructions could result in MINOR or MODERATE INJURY.**

Inspect all hoses, fasteners, bolts and welds for nicks, cracks, cuts, damage, wear or looseness before each use. Repair as needed.

Always wear approved PPE, including glasses, hearing protection, hard hats, and ventilation Masks when operating a Hog Crusher™.

Do not use the Hog Crusher™ as a lifting device or with accessories or attachments not recommended by EZ Grout, as damage to equipment or operator might result.

Avoid contact with hot hydraulic fluid.

Allow system to cool before performing any repairs or service.

NOTICE

Use only factory authorized parts.

Used Lubricants such as engine and hydraulic oil, and hazardous waste must be taken to an authorized disposal or recycling center

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Operating Instructions

Warning! This equipment is to be operated by trained and qualified personnel over the age of 18. Death or serious injury can result.

1. Attach the Hog Crusher™ to your skid steer. Consult skid steer owner's manual for hookup procedure.

2. Connect hydraulic hoses to skid steer.

   Inspect hoses and fittings for damage and debris before connecting to machine. Do not let hoses drag on ground while in operation.

3. Cycle both hydraulic motions to verify the Hog Crusher™ is operating correctly.

4. Rotate Hog Crusher™ horizontally and scoop up material.

5. Rotate Hog Crusher™ back to upright position.

6. Engage rotor in the forward rotation via the auxiliaries on the skid steer.

7. Hold bottom of the Hog Crusher™ several inches off the ground. Crushed material will discharge through slot in bottom.

   In the event the rotor stops rotating, momentarily reverse direction.

   For best performance, tip hopper slightly forward while crushing. It may also be necessary to rock machine back and forth to aid in the flow of material.

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Daily Maintenance

1. For maximum performance inspect carbide bullets daily. Do not operate if found damaged or missing. Replace immediately.

2. Inspect cleaner plate and breaker plate before each use. Does not use if plates are bent or worn or weld have cracks.

3. Check and grease all grease fittings.

4. Check all hydraulic hoses and equipment for leaks. Fix any leaks before operating the Hog Crusher™.

5. Check all welds and bolts. If a cracked weld is found, do not operate the Hog Crusher™ until repaired by qualified personnel. Tighten any loose bolts.

6. Store properly in a clean dry location.

Replacing Carbide Bullets

Warning! Stay clear of Hog Crusher™ while rotating drum to position teeth. Death or serious injury can result.

1. A special tool is required to remove the carbide bullets from the rotor. One has been provided to you and additional ones may be purchased.

2. Rotate rotor until desired carbide bullet is toward charge opening.

3. Shut down machine and disconnect hydraulic supply hoses to prevent accidental starting of Hog Crusher™.

4. Place removal tool in slot in carbide bullet.

5. Using a hammer, strike removal tool. Carbide bullet is press fit and should slide out of holder.

6. Place new carbide bullet into hole in holder and gently tap new bullet into place.

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Changing Gear Hub Oil

1. Gear hub oil should be changed every 1000 hours.
2. Lay Hog Crusher™ flat on level surface.
3. Rotate drum until drain hole is aligned with access hole in gearbox mount.
4. Disconnect hydraulic supply hoses to prevent accidental starting of equipment.
5. Place suitable container below gearbox to catch used oil.
6. Remove drain plug, allow used oil to drain completely.
7. Stand the Hog Crusher™ in upright (crushing) position, fill the gearbox with 30 ounces (.88liters) of EP-90 gear oil or equivalent and reinstall drain plug.

Drum Replacement

Removal

1. Before beginning make sure you have received the HCR-STAND from supplier to hold Hog Crusher™ upright while replacing drum.
2. Remove all Carbide Bullets (item 8) per instructions in this manual.
3. Rotate Hog Crusher™ into the scoop position and unhook from skid steer.
4. Use a 3/16” Allen wrench to loosen both set screws on the bearing race.
5. Use a 3/4” wrench/socket to remove Cheek Plates (item 3) on the bearing side.
6. Attach Safety Stand (item 33) to the back of the Hog Crusher™ on the opposite side as the Hydraulic Motor.
7. Use clevis (customer supplied) in the holes in the top and back of the frame to attach a strap (customer supplied) to the Hog Crusher™.
8. Attach crane or forklift to strap and slowly lift Hog Crusher™. The HCR will start to rotate to the side. When fully lifted, slowly set the HCR on front cutting edge and safety stand.

Warning! Stay clear of Hog Crusher™ while rotating. Death or serious injury can result.

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9. Use a 9/16” wrench/socket to remove (8) bolts (item 30) that hold on Outer and Inner Motor Guards (item 15 & 16).Remove guards and set aside.
   Note: orientation of guards to ease reassembly.

10. Use a 3/4” wrench/socket to remove Cheek Plate (item 3) on motor side, Cleaner Plate (item4), Breaker Plate (item5), and Secondary Breaker Plate (item 26).
   Note: the direction the hoses are pointed to ease reassembly.

11. Use a 1/2” Allen wrench to remove (10) 5/8” SHCS bolts (item 14) holding Gearbox (item10) to Mount (item 12).Gearbox/rotor assembly may fall away from mount as bolts are removed.

12. Use a 3/4” wrench/socket to remove nuts (item 18) from carriage bolts (item 17) holding Gearbox Mount. Remove Gearbox Mount and set aside.

13. Remove (4) nuts (item 18) from carriage bolts (item 17) holding bearing (item2)

14. Screw 1/2”-13 bolts (customer supplied) into threaded holes on the bearing body. Slowly “jack” bearing from shaft, making sure to tighten each side evenly.
   Note: Spray a penetrating lubricant on bearing and shaft to aid in removal.

15. Using 5/8”-11 eye bolts (customer supplied) attach a strap to threaded holes in top of Gearbox.

16. Attach crane or forklift to strap and slowly lift Gearbox/Rotor Assembly from frame turning the Rotor to allow the Bullet Holders (item 7) to clear cutouts in frame.
   Note: The rotor can only be removed one direction. Check Rotor in both directions to locate most clearance. Bullet holders are patterned. The rotor will only turn (1) revolution (45° per holder) as it comes out.

17. Using 4”x4” blocks for shoring, set Gearbox/Rotor assembly off to the side leaving it in the vertical position.

18. Use a 3/4” wrench to remove crimp nuts (item 9A) holding the Gearbox to the Rotor. Use crane or forklift to lift Gearbox from rotor and set aside. Disregard rotor.

Installation

19. Install gearbox onto NEW Rotor using provided hardware.

20. Install Bearing (item 2) onto Frame using same hardware as before and tighten.
   Note: Apply a liberal amount of Never-Seize to the inside race of the bearing to aid in assembly and future disassembly.

21. Slowly lower gearbox/Rotor Assembly into frame making sure to rotate as you go to keep the holders aligned with slots.

22. When Rotor Shaft reaches bearing, align shaft with bearing. Slowly lower Rotor into bearing, checking that the bearing is sliding on the Rotor Shaft.

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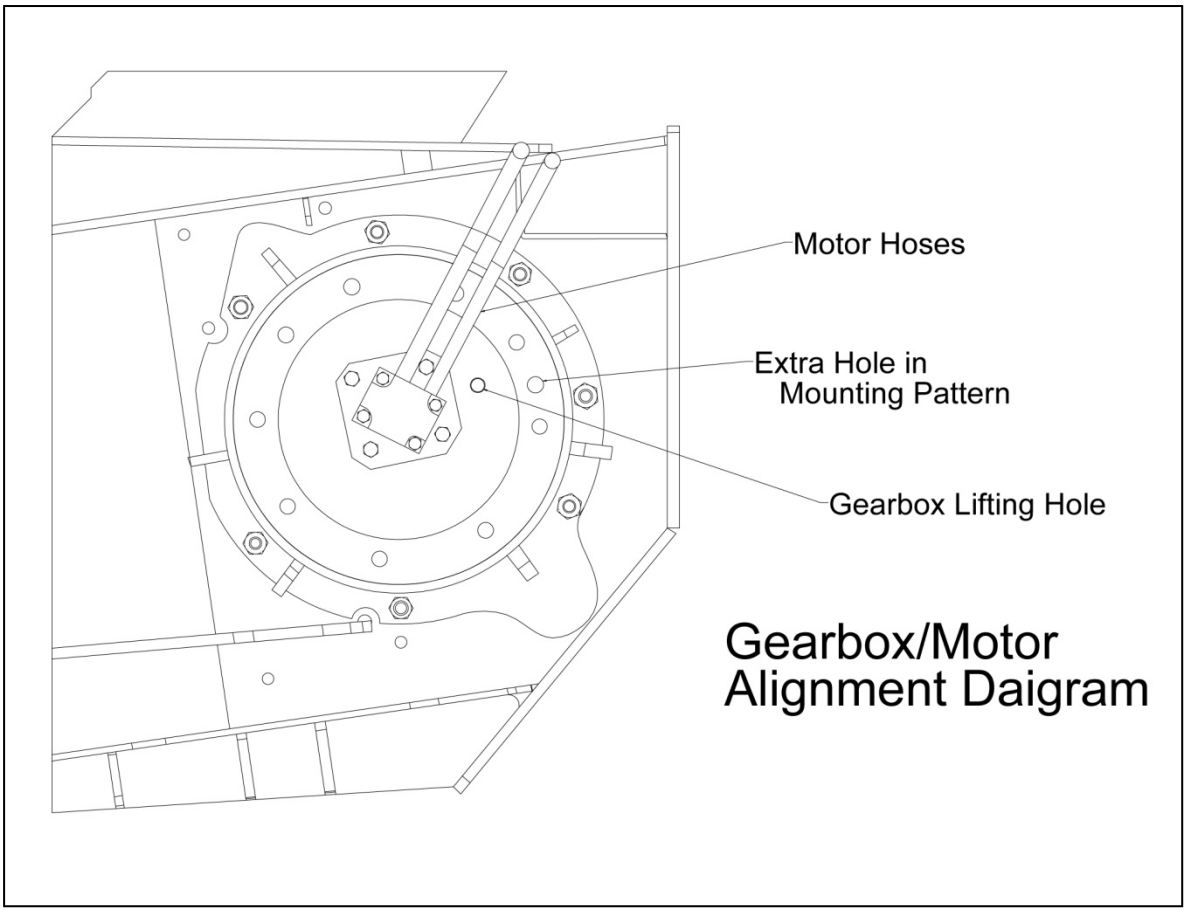
Drum Replacement Cont.

23. Place Gearbox Mount on Frame/Gearbox and reinstall carriage bolts and SHCS using blue thread locker and existing hardware.
    Note: Align Gearbox lifting hole in between offset Gearbox mounting hole as shown in diagram below.
    Hose should be pointing towards back lower corner of Hog Crusher™ Frame.
24. Install Cheek Plates on motor side using existing hardware.
25. Install Motor Guards using existing hardware.
26. Install Cleaner Plate, Breaker Plate, and Secondary Breaker Plate using existing hardware.
27. Using crane or forklift and a strap, Lift Hog Crusher™, remove Safety Stand, and lower.HCR should be sitting uneven on the front lip and back edge.
28. With tension still on the strap. Push HCR towards scoop position while slowly lowering crane or forklift.
29. The bearing has approximately 1/4" of travel, push bearing onto shaft approximately 1/8" and tighten set screws.
30. Install bearing side Cheek Plate using existing hardware.
31. Install Carbide Bullets.



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NOTES

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Obtaining Spare Parts

Spare parts for your Hog Crusher™ may be obtained by the following procedure:

1. Record the information from the serial number tag located on the frame.
2. Using the parts reference table in this manual, record the part number or component.
3. Contact your local Hog Crusher™ dealer or EZ Grout Corporation at 1-800-417-9272 with the information recorded.

Service Records

SERVICE PERFORMED	DATE	INITIALS

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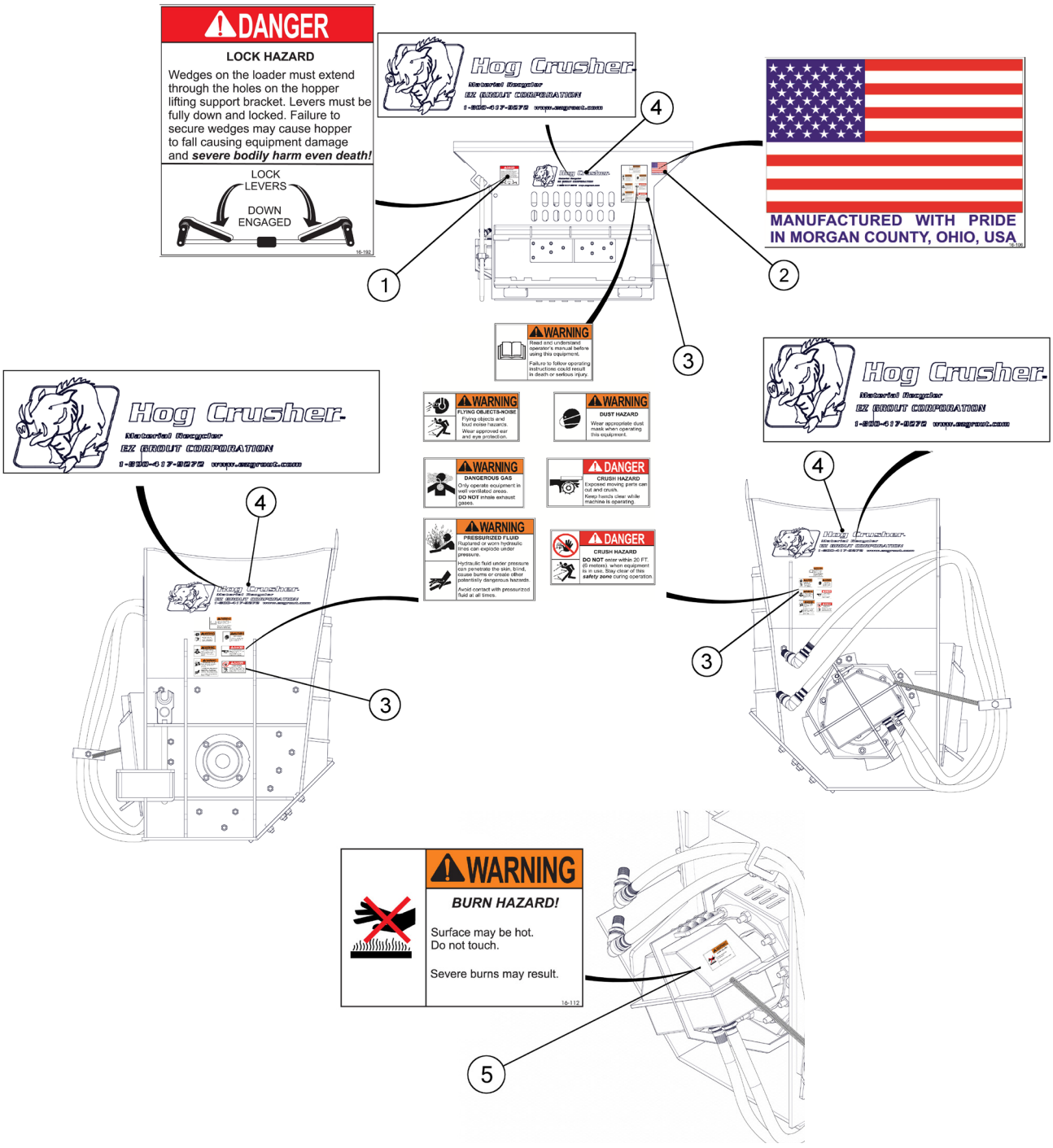
Warning Labels and Locations


DANGER
LOCK HAZARD
Wedges on the loader must extend through the holes on the hopper lifting support bracket. Levers must be fully down and locked. Failure to secure wedges may cause hopper to fall causing equipment damage and severe bodily harm even death!
LOCK LEVERS
DOWN ENGAGED
Hog Crusher
MANUFACTURED WITH PRIDE IN MORGAN COUNTY, OHIO, USA
WARNING
DANGER
BURN HAZARD!
Surface may be hot.
Do not touch.
Severe burns may result.
1
2
3
4
5

Item	Part Number	Description	Qty
1	16-192	Lock Levers Decal	1
2	16-106	U.S. Flag Decal	1
3	16-194	HCR Cluster Decal	3
4	16-134	Hog Crusher	3
5	16-112	Hot Surface Decal	1

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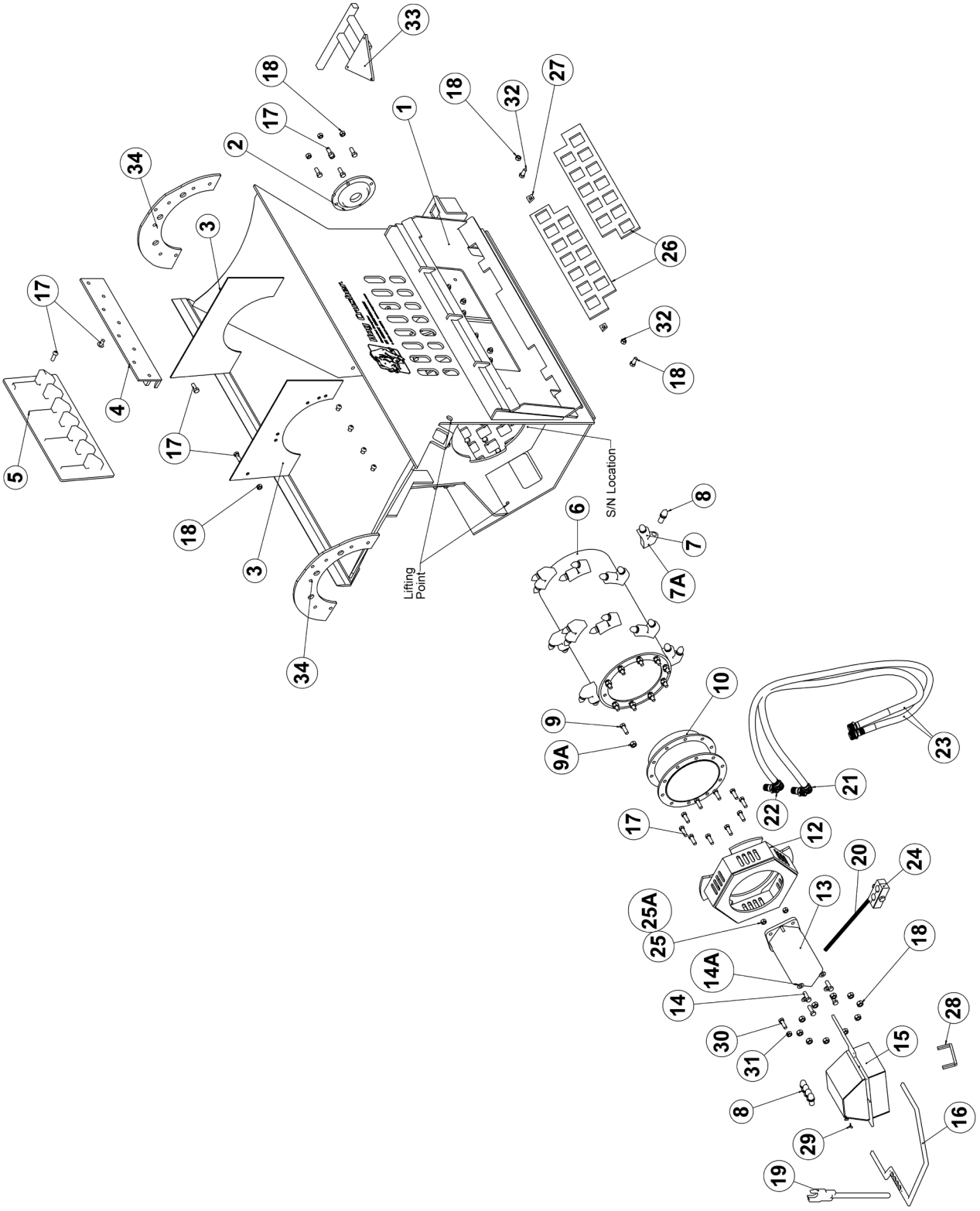
HCR Hog Crusher™ Frame



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Hog Crusher™
EZ Grout Corporation
1-800-417-9272

HCR Hog Crusher™ Frame

ITEM	PART NUMBER	QTY	DESCRIPTION
1	HCR-A-1	1	Frame
2	15-103	1	Bearing
3	HCR-17	2	Check Plate (Wear Item)
4	HCR-A-2	1	Cleaner Plate(Wear Item)
5	HCR-A-3	1	Breaker Plate (Wear Item) (Serial # 1-27)
	HCR-A-8		Breaker Plate (Wear Item) (Serial # 28+)
6	HCR-A-4	1	Rotor Assembly
7	20-124	16	Bullet Holder (0.765” Shank)
7A	20-124	16	Bullet Holder Modification
8	20-125	2	Carbide Bullet (0.765” Shank)
9	09-330	9	½” -13 x 2 ¼” Shoulder Stud
9A	09-222	9	½” -20 Crimp Nut
10	02-400	1	Gearbox/Hub
12	HCR-A-5	1	Gearbox Mount
13	02-401	1	Hydraulic Motor
14	09-304	10	5/8”-11 x 1 ¼” SH Cap Screw
14A	09-116	10	5/8” Lock Washers
15	HCR-10	1	Motor Guard – Inner
16	HCR-11	1	Motor Guard – Outer
17	09-353	49	½”-13 x 1 ¾” Carriage Bolt
18	09-208	51	½” -13 Lock Nut
19	20-130	1	Tooth Removal Tool
20	09-804	1	Spring
21	02-222	1	Male Hydraulic Coupler
22	02-221	1	Female Hydraulic Coupler
23	HCR-A-7	2	Hydraulic Hose Assembly
24	20-104	1	Twin Hose Clamp
25	09-336	4	½” -13 x 1 ¼” SHCS
25A	09-103	4	½” Lock Washer
26	HCR-A-9	1	Secondary Breaker Plate(Wear Item)
27	RH-57	2	2nd Breaker Plate Shim
28	HCR-48	1	Spare Bullet Retainer
29	09-400	4	Lynch Pin
30	09-310	8	3/8” -16 x 1 ¼” Hex Bolt
31	09-204	8	3/8” -16 Nut
32	09-351	2	½” -13 x 2” Carriage Bolt
33	HCR-STAND	1	Safety Stand
34	RH-77	2	Cheek Plate

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Warranty

Limited Warranty

The manufacturer warrants that products manufactured shall be free from defects in material and workmanship that develop under normal use for a period of one year on all products from the date of shipment. The foregoing shall be the exclusive remedy of the buyer and the exclusive liability of the manufacturer. Our warranty excludes normal replaceable wear items, i.e. gaskets, wear parts, seals, O-rings, belts, drive chains, clutches, etc. Any equipment, part or product which is furnished by the manufacturer but manufactured by another, bears only the warranty given by such other manufacturer. (Manufacturer agrees to furnish free of charge a written description of problem or cause.) Warranty is voided by product abuse, alterations, use of equipment in applications for which it was not intended, use of non-manufacturer parts, or failure to follow documented service instructions. The foregoing warranty is exclusive of all other warranties whether written or oral, expressed or implied. No warranty of merchantability or fitness for a particular purpose shall apply. The agents, dealers, and employees of Manufacturer are not authorized to make modifications to this warranty, or additional warranties binding on the Manufacturer. Therefore, additional statements, whether oral or written, do not constitute warranty and should not be relied upon.

The Manufacturer's sole responsibility for any breach of the foregoing warranty provisions, with respect to any product or part not conforming to the Warranty or the description herein contained, is at its option (a) to repair, replace, or refund such product or parts upon the prepaid return thereof to location designated specifically by the Manufacturer. Product returns not shipped prepaid will be refused (b) as an alternative to the foregoing modes of settlement the Manufacturer's dealer may repair defective units with reimbursement for expenses. A written description of problem or cause must accompany all warranty claims.

Except as set forth herein above and without limitation of the above, there are no warranties or other affirmation which extend beyond the description of the products on the fact here of, or as to operational efficiency, product reliability, or maintainability or compatibility with products furnished by others. In no event, whether as a result of breach of contract or warranty or alleged negligence, shall the Manufacturer, be liable for special or consequential damages including but not limited to: Loss of profits or revenue, loss of use of the product or any associated product, cost of capital, cost of substitute products, facilities or services or claims of customers. Manufacturer does not assume responsibility for any accident due to equipment modification.

No claim will be allowed for products lost or damaged in transit. Such claims should be filed with the carrier within fifteen days.

Effective July 20, 2005

EZG Manufacturing is the exclusive manufacturer of the patented ***Grout Hog®*** Grout Delivery System the ***Mud Hog®*** Hydraulic Mixing Station, the ***Hog Trough®*** mud pan, the ***Hog Cart™,*** the ***Hog Slopper™,*** the ***Booger Hog®*** Wall Scrubber, the ***Hog Leg®*** Wall Brace System, the ***Hog Crusher™*** Material Recycling System, and the ***EZG MIXER®.***

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Fax Warranty Registration form to 740-962-2037
Submit on-line at www.ezgrout.com/warranty
or click on "Products" then "Warranty Cards".

Warranty Registration

Contact:_____

Company Name:_____

Address:_____

City:_____State:_____Zip:_____

Phone:_____Fax:_____Email:_____

Purchased From:_____
Purchased Date:_____ _____ Serial No.:_____

Please complete this warranty card, and return via mail, fax or email, within 30 days of purchase to validate your manufacturer's warranty for all EZG Manufacturing products.

Warranty provisions of this machine are handled directly through the manufacturer.

EZG Manufacturing * 1833 N. Riverview Road, Malta, OH 45758 *

Fax: 740-962-2037 * Email: warranty@ezgrout.com

Please take a minute to fill out the survey below so that we can better serve our customers.

EZ Survey

1. Where did you first hear about EZG Manufacturing? (Check One)
□ Masonry Magazine □ Website □ Newsletter □ Referral □ Masonry Construction
□Other:_____

2. What influenced you to buy? □Quality □Easy to use □Price □Other

3. Who is your Sales Representative?

4. Are you satisfied with the customer service you received? □Yes □No

Explain:_____
_____

5. What other EZG Manufacturing products do you own?

6. Would you like to be featured in our Newsletter? □Yes □No

If yes, where can we reach you and what is the best time?_____
_____
Comments:_____
_____

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